PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**
**(Case No. 00-714-G)**

In re Application of:

Chad A. Mirkin, et al.

Serial No.: 09/830,620

Filed: November 30, 1999

For: NANOPARTICLES WITH POLYMER SHELLS

Examiner: Robert D. Harlan

Group Art Unit: 1713

Confirmation No.: 9430

## TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In regard to the above identified application.

1. We are transmitting herewith the attached:
   a) Fourteenth Supplemental Information Disclosure Statement;
   b) U.S. PTO 1449 Form with copies of 4 references; and
   c) Return Postcard.

2. With respect to additional fees:

3. GENERAL AUTHORIZATION: Please charge any additional fees or credit overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.

4. CERTIFICATE OF MAILING UNDER 37 CFR § 1.10: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service as "Express Mail Post Office to Addressee", addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on this 19 day of December 2003 under the Express Mail label No. EV333551335US.

Date: Dec. 19, 2003

Respectfully submitted,

Emily Miao
Registration No. 35,285

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**FOURTEENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In order to comply with discretionary regulations 37 CFR §§1.97 and 1.98, attached hereto is Form PTO-1449, copies[1] of the documents listed thereon. These documents contain information which the Examiner may consider to be important in deciding whether to allow the present application to issue as a patent.

1. Agrawal et al., U.S. Patent No. 6,509,459 B1, issued 01/21/03

2. Collins, U.S. Patent No. 5,747,248, issued 5/5/98

3. Fangcheng, Tang et al., Recent Advances in Olefin Metathesis Polymerization: Application to Synthesis of Block Copolymer and Functional Polymer, *Polymer Bulletin*, Ed., 3, pp. 144-153 (1997)

4. Kataby, G. et al., Coating of Amorphous Iron Nanoparticles by Long-Chain Alcohols, *Langmuir*, pp. 1512-1515 (1998)

[1]To the extent that a document is listed and no copy of same is attached, then such document is not at the present time available to the undersigned or is available in the file of a parent application. If a listed document is not in the English language and an English translation is readily available, such translation is also attached; if translation is not attached it is not readily available to the undersigned. If a foreign language patent document is cited, and an English language equivalent is known to the undersigned, then such equivalent patent is also cited on the attached form along with the corresponding foreign language patent and a connecting arrow indicated there between; if no such English language equivalent is cited, then none is known to undersigned.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

The present Disclosure Statement is being submitted in compliance with 37 CFR 1.56 insofar as an Examiner might consider any of the cited documents important in deciding whether to allow the application to issue as a patent, but the citation of each document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner, in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104(a) and 1.106(b) and, in the course of each search, will review for relevance every document cited on the attached form even if not initialed.

Early and favorable consideration is earnestly solicited.

Respectfully submitted,

Dated: Dec. 19, 2005

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| FORM PTO-1449 (Rev. 2-32) | U.S. Departm nt of Commerce Patent and Trademark Office | Atty. Docket No. | Serial No. |
|---|---|---|---|
| | | 00-714-G | 09/830,620 |
| | | Applicant: Chad A. Mirkin, et al. | |
| | | Filing Date: November 30, 1999 | Group: 1713 |



**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

| Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date if Appropriate |
|---|---|---|---|---|---|---|---|
| | 1. | 6,509,459 B1 | 01/21/03 | Agrawal, et al. | | | |
| | 2. | 5,747,248 | 05/05/03 | Collins | | | |

## FOREIGN PATENT DOCUMENTS

| | | Document Number | Date | Country | Class | Subclass | Translation | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Yes | No |
| | | | | | | | | |
| | | | | | | | | |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

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|---|---|---|
| | 3. | Fangcheng, Tang et al., Recent Advances in Olefin Metathesis Polymerization: Application to Synthesis of Block Copolymer and Functional Polymer, *Polymer Bulletin*, Ed., 3, pp. 144-153 (1997) |
| | 4. | Kataby, G. et al., Coating of Amorphous Iron Nanoparticles by Long-Chain Alcohols, *Langmuir*, pp. 1512-1515 (1998) |
| | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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